

transmission molecules, which comprises comparing the case where the protein according to claim 1 which is labeled, the protein according to claim 2 which is labeled, the partial peptide according to claim 6 which is labeled or a salt thereof which is labeled is contacted with activin receptors or activin intracellular information transmission molecules, with the case where the protein according to claim 1 which is labeled, the protein according to claim 2 which is labeled, the partial peptide according to claim 6 which is labeled or a salt thereof which is labeled and a test compound are contacted with activin receptors or activin intracellular information transmission molecules, by measuring the amount of the protein according to claim 1 which is labeled, the protein according to claim 2 which is labeled, the partial peptide according to claim 6 which is labeled or a salt thereof which is labeled bound to the activin receptors or activin intracellular information transmission molecules in both the cases.

20. (Amended) A method for screening a compound or a salt thereof inhibiting or promoting a binding of the protein according to claim 1, the protein according to claim 2, the partial peptide according to claim 6 or a salt thereof to the protein according to claim 17 or a salt thereof, which comprises comparing the case where the protein according to claim 1 which is labeled, the protein according to claim 2 which is labeled, the partial peptide according to claim 6 which is labeled or a salt thereof which is labeled is contacted with the protein according to claim 17 or a salt thereof, with the case where the protein according to claim 1 which is labeled, the protein according to claim 2 which is labeled or a salt thereof which is labeled and a test compound are contacted with the protein according to claim 17 or a salt thereof, by measuring the amount of the protein according to claim 1 which is labeled, the protein according to claim 2 which is labeled, the partial peptide according to claim 6 which is labeled or a salt thereof which is labeled bound to the protein according to claim 17 or a salt thereof in both the cases.

22. (Twice Amended) A method for screening a compound or a salt thereof inhibiting or promoting a binding of the protein according to claim 1, the protein according to claim 2, the partial peptide according to claim 6 or a salt thereof to the protein according to claim 17 or a salt thereof, activin receptors or activin intracellular information transmission molecules, which comprises

comparing the case where the protein according to claim 1 which is labeled, the protein according to claim 2 which is labeled, the partial peptide according to claim 6 which is labeled or a salt thereof which is labeled is contacted with a membrane fraction of cells expressing the protein according to claim 17 or a salt thereof, activin receptors or activin intracellular information transmission molecules, with the case where the protein according to claim 1 which is labeled, the protein according to claim 2 which is labeled, the partial peptide according to claim 6 which is labeled or a salt thereof which is labeled and a test compound are contacted with a membrane fraction of cells expressing the protein according to claim 17 or a salt thereof, activin receptors or activin intracellular information transmission molecules, by measuring the amount of the protein according to claim 1 which is labeled, the protein according to claim 2 which is labeled, the partial peptide according to claim 6 which is labeled or a salt thereof which is labeled bound to the membrane fraction of the cells in both the cases.